

SECTION 01560 — CUTTING AND PATCHING

PART 1 GENERAL

1.01 SECTION INCLUDES

Requirements and limitations for cutting and patching of work

1.02 SUBMITTALS

A. Submit written request to the Contracting Officer's Representative (COR) in advance of cutting or alteration, in accordance with 01300 "Submittals," which affects:

A.1 Structural integrity of any element of project

A.2 Integrity of weather-exposed or moisture-resistant elements

A.3 Efficiency, maintenance, or safety of any operational element

A.4 Visual qualities of sight exposed elements

A.5 Work of Government or separate prime Contractors

B. Include in request:

B.1 Location and description of affected work

B.2 Necessity for cutting or alteration

B.3 Description of proposed work and products to be used

B.4 Alternatives to cutting and patching

B.5 Effect on work of Government or separate prime Contractors

B.6 Written permission of affected separate prime Contractors

B.7 Proposed date and time work will be executed

B.8 Cost proposal when applicable

B.9 Designation of party responsible for cost of cutting and patching

C. When and as required by the COR or as necessary to describe complex circumstances, submit drawings indicating extent of work to be done and the interface of such work with other elements of the construction.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Primary Products: Those required to match original installation.
- B. Product Substitution: For any proposed change in materials, submit request for substitution in accordance with section 01630 "Substitutions."

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine existing conditions prior to commencing work including elements subject to damage or movement during cutting and patching.
- B. After uncovering previously inaccessible areas, assess conditions affecting performance of work. Report unsatisfactory or questionable conditions to the COR.
- C. By beginning work of this section, the Contractor warrants it has examined and verified that the existing conditions are in accordance with the provisions of preceding paragraphs of subpart 3.01.

3.02 PREPARATION

- A. Provide temporary supports to ensure structural integrity of the work. Provide devices and methods to protect other portions of project from damage.
- B. Provide protection from elements for areas which may be exposed by uncovering work.

3.03 CUTTING

- A. Execute cutting and fitting including excavation and fill to complete the work.
- B. Uncover work to install or correct improperly sequenced work.
- C. Remove and replace defective or nonconforming work at no additional cost to the Government.
- D. Remove samples of installed work for testing when requested.
- E. Provide openings in the work for penetration of mechanical and electrical work.

- F. Employ skilled and experienced installer to perform cutting for weather-exposed and moisture-resistant elements, and sight exposed surfaces.
- G. Cut concrete and masonry materials using masonry saw or core drill. Pneumatic tools not allowed without prior approval.

3.04 PATCHING

- A. Execute patching to complement adjacent work.
- B. Fit products together to integrate with other work.
- C. Execute work by methods to avoid damage to other work. Patch and finish exposed surfaces as required by the contract documents or COR.
- D. Employ original installer to perform patching for weather exposed and moisture-resistant elements, and visible surfaces.
- E. Restore work with new products in accordance with requirements of contract documents.
- F. Fit work airtight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- G. Refinish surfaces to match adjacent finish. For continuous surfaces, refinish to nearest intersection or natural break. For an assembly, refinish entire unit.

3.05 ALTERATION PROCEDURES

- A. Materials: As specified in individual product sections; match existing products and work for patching and extending work.
- B. Employ skilled and experienced installers to perform alteration work.
- C. Close openings in exterior surfaces to protect existing work from weather and extremes of temperature and humidity.
- D. Cut, remove, and patch work in a manner to minimize damage and to provide means of restoring products and finishes to original or specified condition.
- E. Where new work abuts or aligns with existing, provide a smooth and even transition. Patch work to match existing adjacent work in texture and appearance.
- F. When finished surfaces are cut so that a smooth transition with new work is not possible, terminate existing surface along a straight line at a natural line of division and submit recommendation to the COR.

- G. Where a change of plane of 1/4 inch or more occurs, submit recommendation for providing a smooth transition; to the COR for review or request instructions.
- H. Patch or replace portions of existing surfaces which are damaged, lifted, discolored, or showing other imperfections.
- I. Finish surfaces as specified in individual product sections.

END OF SECTION